## CLAIMS

1    1.    An electronic device comprising:

2          a reduced keypad, for entering character codes and intermediate codes into

3    an input buffer; and

4          an intermediate code processor, coupled to the input buffer, for changing

5    intermediate codes into character code sequences and recording the character code

6    sequences in a display buffer.


1    2.    An electronic device according to claim 1 wherein the intermediate codes

2    comprise a Ligature intermediate code.


1    3.    An electronic device according to claim 1 wherein the intermediate codes

2    comprise an Explicit Virama intermediate code.


1    4.    An electronic device according to claim 1 wherein the intermediate codes

2    comprise a Half-Character intermediate code.


1    5.    An electronic device according to claim 1 further comprising:

2          a display engine, coupled to the display buffer, for processing character

3    codes and character code sequences for display.


1    6.    An electronic device according to claim 5 further comprising:

2          a display screen, coupled to the display engine.

1    7.    An electronic device comprising:

2            a reduced keypad, for entering an intermediate code into an input buffer;

3            an intermediate code processor, coupled to the input buffer, for changing

4    the intermediate code into one or more character codes depending on any

5    preceding character code that precedes the intermediate code and for recording

6    the one or more character codes in a display buffer;

7            a display engine, coupled to the display buffer, for processing character

8    codes for display; and

9            a display screen, coupled to the display engine for displaying characters

10   built using the character codes in the display buffer.


1    8.    An electronic device according to claim 7 wherein the intermediate code

2    processor also changes the intermediate code into one or more character codes

3    depending on any following character code that follows the intermediate code.


1    9.    An electronic device according to claim 7 wherein the reduced keypad also

2    enters character codes into the input buffer.

1  10.   A method for character entry comprising the steps of:

2        entering a first character code into a memory buffer;

3        entering an intermediate code into the memory buffer;

4        entering a second character code into the memory buffer;

5        changing the intermediate code to one or more character codes; and

6        using a display engine to display one or more characters represented by the

7  first character code, the one or more character codes, and the second character

8  code.


1  11.   A method according to claim 10 wherein the step of entering an

2  intermediate code comprises the step of:

3        entering a Ligature intermediate code into the memory buffer.


1  12.   A method according to claim 11 wherein the step of changing the

2  intermediate code comprises the steps of:

3        converting the Ligature intermediate code into a Uncomposed Virama

4  character code sequence, if the first character code does not represent a consonant;

5        converting the Ligature intermediate code into a Ligature character code

6  sequence, if the first character code represents a consonant and the second

7  character code represents a consonant; and

8        converting the Ligature intermediate code into a Half-Character character

9  code sequence, if the first character code represents a consonant and the second

10 character code does not represent a consonant.


1  13.   A method according to claim 10 wherein the step of entering an

2  intermediate code comprises the step of:

3        entering an Explicit Virama intermediate code into the memory buffer.

1    14.    A method according to claim 13 wherein the step of changing the

2    intermediate code comprises the steps of:

3            converting the Explicit Virama intermediate code into an Uncomposed

4    Virama character code sequence, if the first character code does not represent a

5    consonant;

6            converting the Explicit Virama intermediate code into a Intermediate

7    Explicit Virama character code sequence, if the first character code represents a

8    consonant and the second character code represents a consonant; and

9            converting the Explicit Virama intermediate code into a Terminal Explicit

10   Virama character code sequence, if the first character code represents a consonant

11   and the second character code does not represent a consonant.


1    15.    A method according to claim 10 wherein the step of entering an

2    intermediate code comprises the step of:

3            entering a Half-Character intermediate code into the memory buffer.


1    16.    A method according to claim 15 wherein the step of changing the

2    intermediate code comprises the steps of:

3            converting the Half-Character intermediate code into an Uncomposed

4    Virama character code sequence, if the first character code does not represent a

5    consonant; and

6            converting the Half-Character intermediate code into a Half-Character

7    character code sequence, if the first character code does not represent a consonant.